

ABSTRACT

An air-conditioning system for rooms includes a cooling module associated to a heating system, a plurality of fan-convectors acting both as heating and cooling terminals, a single hydraulic circuit leading a fluid to said fan-convectors, said cooling module having a first inlet tube and a first outlet tube, said heating system having a second inlet tube and a second outlet tube, said single hydraulic circuit comprising an intake tube and a return tube. The cooling module comprises a three-way switching valve whose central outlet is connected to said intake tube, an inlet is connected to said second outlet tube, and an inlet is connected to said first outlet tube, with said return tube being connected to said second inlet tube and to said first inlet tube, so that said three-way switching valve connects said plurality of fan-convectors both during cooling and heating operating mode.